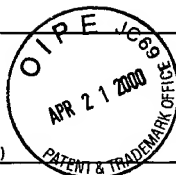


FORM 1449\*  
INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:  
CEDAR 042638Application Number:  
09/448,491

Applicant: Michel F. Lévesque and Toomas Neuman

Filing Date: Jan. 20, 2000

Group Art Unit: 1643 / 1635

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mmg	4,560,655	12/24/85	Baker			
	5,041,538	08/20/91	Ling et al.			
	5,143,842	09/01/92	Ham et al.			
	5,182,375	01/26/93	Ling et al.			
	5,324,656	06/28/94	Ham et al.			
	5,411,883	05/02/95	Boss et al.			
	5,589,376	12/31/96	Anderson et al.			
	5,753,506	05/19/98	Johe			
	5,670,481	09/23/97	Harland et al.			
	5,679,783	10/21/97	De Robertis et al.			
	5,821,124	10/13/98	Valenzuela et al.			
	5,843,775	12/01/98	Valenzuela et al.			
	5,846,770	12/08/98	LaVallie et al.			
	5,902,785	05/11/99	Hattersley et al.			
✓	5,986,056	11/16/99	La Vallie et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

mmg	1.	Adam, E. et al., <i>Neuraminic acid specific lectins as markers of early cortical plate neurons</i> , <i>Int. J. Dev. Neurosci.</i> , 11(4):451-60 (Aug. 1993) ABSTRACT ONLY.
	2.	Bellefroid, Eric J. et al., <i>X-MyT1, a Xenopus C2HC-Type Zinc Finger Protein with a Regulatory Function in Neuronal Differentiation</i> , <i>Cell</i> , Vol. 87, 1191-1202, December 1996.
	3.	Brown, T.J., et al. <i>Characterization of 11 beta-methoxy-16 alpha-[125I] iodoestradiol binding: neuronal localization of estrogen-binding sites in the developing rat brain</i> . <i>Endocrinology</i> , 124(5):2074-88 (May 1989) ABSTRACT ONLY.
✓	4.	Cassiman, D., et al., <i>Synaptophysin: A Novel Marker for Human and Rat Hepatic Stellate Cells</i> , <i>Am. J. Pathol.</i> , 155(6):1831-1839 (Dec. 1999) ABSTRACT ONLY.

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mmg

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mm5	5.	Demetriou M., et al., <i>Fetuin/alpha 2-HS glycoprotein is a transforming growth factor-beta type II receptor mimic and cytokine antagonist</i> , <u>J. Biol. Chem.</u> , 271(22):12755-61 (May 1996) ABSTRACT ONLY.
	6.	Dziegielewska K.M., et al., <i>Synthesis of the foetal protein fetuin by early developing neurons in the immature neocortex</i> , <u>J. Neurocytol.</u> , 22(4):266-72 (April 1993). ABSTRACT ONLY.
	7.	Fann, M.J., et al., <i>Depolarization differentially regulates the effects of bone morphogenetic protein (BMP)-2, BMP-6, and activin A on sympathetic neuronal phenotype</i> , <u>J. Neurochem.</u> , 63(6):2074-9 (December 1994) ABSTRACT ONLY.
	8.	Furuta, Y., et al., <i>Bone morphogenetic proteins (BMPs) as regulators of dorsal forebrain development</i> , <u>Development</u> , 124(11):2203-12 (June 1997) ABSTRACT ONLY.
	9.	Guillemot, F., et al., <i>Dynamic expression of the murine Achaete-Scute homologue Mash-1 in the developing nervous system</i> , <u>Mech. Dev.</u> , 42(3):171-85 (August 1993) ABSTRACT ONLY.
	10.	Hattori, A., et al., <i>Bone morphogenetic protein-2 promotes survival and differentiation of striatal GABAergic neurons in the absence of glial cell proliferation</i> , <u>J. Neurochem.</u> , 72(6):2264-71 (June 1999) ABSTRACT ONLY.
	11.	Hirota Y., et al., <i>Musashi and seven in absentia downregulate tramtrack through distinct mechanisms in drosophila eye development</i> , <u>Mech. Dev.</u> , 87(1-2):93-101 (Sept. 1999) ABSTRACT ONLY.
	12.	Iantosca, M.R., et al., <i>Bone morphogenetic proteins-2 and -4 attenuate apoptosis in a cerebellar primitive neuroectodermal tumor cell line</i> , <u>J. Neurosci Res.</u> , 56(3):248-58 (May 1999) ABSTRACT ONLY.
	13.	Ishibashi, M., et al., <i>Targeted disruption of mammalian hairy and Enhancer of split homolog-1 (HES-1) leads to up-regulation of neural helix-loop-helix factors, premature neurogenesis, and severe neural tube defects</i> , <u>Genes &amp; Development</u> , 9:3136-3148 (1995)
	14.	Ishibashi, M., et al., <i>Persistent expression of helix-loop-helix factor HES-1 prevents mammalian neural differentiation in the central nervous system</i> , <u>The EMBO Journal</u> , Vol. 13, No. 8, pp. 1799-1805 (1994)
	15.	Ishizeki, K., et al., <i>Sequential synthesis of cartilage and bone marker proteins during transdifferentiation of mouse Meckel's cartilage chondrocytes in vitro</i> , <u>Int. J. Dev. Biol.</u> , 41(1):83-9 (February 1997) ABSTRACT ONLY.
	16.	Iwasaki, S., et al., <i>Characterization of the bone morphogenetic protein-2 as a neurotrophic factor. Induction of neuronal differentiation of PC12 cells in the absence of mitogen-activated protein kinase activation</i> , <u>J. Biol. Chem.</u> , 271(29):17360-5 (July 1996) ABSTRACT ONLY.
	17.	Kalyani, A.J., et al., <i>Spinal cord neuronal precursors generate multiple neuronal phenotypes in culture</i> , <u>J. Neurosci.</u> , 18(19):7856-68 (October 1998) ABSTRACT ONLY.
	18.	Kitchener, P.D., et al., <i>Fetuin in neurons of the retina and cerebellum during fetal and postnatal development of the rat</i> , <u>Int. J. Dev. Neurosci.</u> , 17(1):21-30 (February 1999) ABSTRACT ONLY.

EXAMINER

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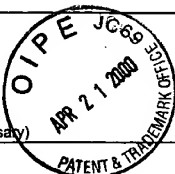
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19.	Lee, Jacqueline E., et al., <i>Conversion of Xenopus Ectoderm into Neurons by NeuroD, a Basic Helix-Loop-Helix Protein</i> , <u>Science</u> , Vol. 268, pp. 836-844 (May 1995).
20.	Lee, K.J., et al., <i>Neuronal patterning by BMPs: a requirement for GDF7 in the generation of a discrete class of commissural interneurons in the mouse spinal cord</i> , <u>Genes Dev.</u> 12(21):3394-407 (November 1998) ABSTRACT ONLY.
21.	Lee, M.H., et al., <i>Transient upregulation of CBFA1 in response to bone morphogenetic protein-2 and transforming growth factor beta1 in C2C12 myogenic cells coincides with suppression of the myogenic phenotype but is not sufficient for osteoblast differentiation</i> , <u>J. Cell Biochem.</u> 73(1):114-25 (April 1999) ABSTRACT ONLY.
22.	Lein, P., et al., <i>Osteogenic protein-1 induces dendritic growth in rat sympathetic neurons</i> , <u>Neuron</u> , 15(3):597-605 (September 1995) ABSTRACT ONLY.
23.	Ma, Qiufu, et al., <i>Identification of neurogenin, a Vertebrate Neuronal Determination Gene</i> , <u>Cell</u> , Vol. 87, 43-52 (October 4, 1996)
24.	Mayer-Proschel, M., et al., <i>Isolation of lineage-restricted neuronal precursors from multipotent neuroepithelial stem cells</i> , <u>Neuron</u> , 19(4):773-85 (October 1997) ABSTRACT ONLY.
25.	McCormick, Mary B., et al., <i>neuroD2 and neuroD3: Distinct Expression Patterns and Transcriptional Activation Potentials within the neuroD Gene Family</i> , <u>Molecular and Cellular Biology</u> , Vol. 16, No. 10, p. 5792-5800 (October 1996)
26.	Merino, R., et al., <i>The BMP antagonist Gremlin regulates outgrowth, chondrogenesis and programmed cell death in the developing limb</i> , <u>Development</u> , 126(23):5515-5522 (1999) ABSTRACT ONLY.
27.	Murray, S.S., et al., <i>Bone morphogenetic protein inhibits differentiation and affects expression of helix-loop-helix regulatory molecules in myoblastic cells</i> , <u>J. Cell Biochem.</u> 53(1):51-60 (September 1993) ABSTRACT ONLY.
28.	Nagata, T., et al., <i>Structure, backbone dynamics and interactions with RNA of the C-terminal RNA-binding domain of a mouse neural RNA-binding protein, Musashi 1</i> , <u>J. Mol. Biol.</u> 287(2):315-30 (March 1999) ABSTRACT ONLY.
29.	Nikaido, M. et al., <i>In vivo analysis using variants of zebrafish BMPR-IA: range of action and involvement of BMP in ectoderm patterning</i> , <u>Development</u> , 126(1):181-90 (Jan 1999). ABSTRACT ONLY.
30.	Nakata, Katsunori, et al., <i>Xenopus Zic3, a primary regulator both in neural and neural crest development</i> , <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 94, pp. 11980-11985 (October 1997).
31.	Park, J.K., et al., <i>Bipotent cortical progenitor cells process conflicting cues for neurons and glia in a hierarchical manner</i> , <u>J. Neurosci.</u> 19(23):10383-9 (December 1999) ABSTRACT ONLY.
32.	Pera, E. et al., <i>Ectodermal patterning in the avian embryo: epidermis versus neural plate</i> , <u>Development</u> , 126(1):63-73 (January 1999) ABSTRACT ONLY.

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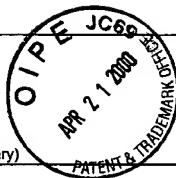
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mus	33.	Rayl, A.J.S., <i>Transplanted Neurons Migrate Widely in the Adult Brain</i> , <u>The Scientist</u> , Vol. 13, #18, p. 33 (September 13, 1999)
	34.	Renoncourt, Y., et al., <i>Neurons derived in vitro from ES cells express homeoproteins characteristic of motoneurons and interneurons</i> , <u>Mech. Dev.</u> , 79(1-2):185-97 (December 1998) ABSTRACT ONLY.
	35.	Sang, Q., et al., <i>Innervation of the esophagus in mice that lack MASH1</i> , <u>J. Comp. Neurol.</u> , 408(1):1-10 (May 1999) ABSTRACT ONLY.
	36.	Sasai, Y., <i>Identifying the missing links: genes that connect neural induction and primary neurogenesis in vertebrate embryos</i> , <u>Neuron</u> , Vol. 21, No. 3, pp.455-8 (September 1998)
	37.	Sato, K., et al., <i>Cartilaginous transdifferentiation of rat tenosynovial cells under the influence of bone morphogenetic protein in tissue culture</i> , <u>Clin. Orthop.</u> , (236):233-9 (November 1988) ABSTRACT ONLY.
	38.	Sela-Donenfeld, D., et al., <i>Regulation of the onset of neural crest migration by coordinated activity of BMP4 and noggin in the dorsal neural tube</i> , <u>Development</u> , 126(21):4749-62 (November 1999) ABSTRACT ONLY.
	39.	Shou, J., et al., <i>BMPs inhibit neurogenesis by a mechanism involving degradation of a transcription factor</i> , <u>Nat. Neurosci.</u> , 2(4):339-45 (April 1999) ABSTRACT ONLY.
	40.	Stemple, D.L., et al., <i>Neural stem cells are blasting off</i> , <u>Neuron</u> , Vol. 18, No. 1, pp. 1-4 (January 1997)
	41.	Suzuki, Atsushi, et al., <i>Xenopus msx1 mediates epidermal induction and neural inhibition by BMP4</i> , <u>Development</u> , Vol. 124, pp. 3037-3044 (1997)
	42.	Tanabe, Yasuto, et al., <i>Diversity and Pattern in the Developing Spinal Cord</i> , <u>Science</u> , Vol. 274, pp. 1115-1123, (November 15, 1996)
	43.	Weinstein, D.C., et al., <i>Epidermal induction and inhibition of neural fate by translation initiation factor 4AIII</i> , <u>Development</u> , 124(21):4235-42 (November 1997) ABSTRACT ONLY.
	44.	Wichterle, H., et al., <i>Young neurons from medial ganglionic eminence disperse in adult and embryonic brain</i> , <u>Nat Neurosci.</u> , 2(5):461-6 (May 1999) ABSTRACT ONLY.
	45.	Wichterle, H., et al., <i>Direct evidence for homotypic, glia-independent neuronal migration</i> , <u>Neuron</u> , 18(5):779-91 (May 1997) ABSTRACT ONLY.
	46.	Wickelgren, Ingrid, <i>Teaching the Spinal Cord to Walk</i> , <u>Science</u> , Vol. 279, pp. 319-321 (January 16, 1998)
	47.	Zhu, G., et al., <i>Sonic hedgehog and BMP2 exert opposing actions on proliferation and differentiation of embryonic neural progenitor cells</i> , <u>Dev. Biol.</u> , 215(1):118-29 (November 1999) ABSTRACT ONLY.
	48.	Zuniga, A., et al., <i>Signal relay by BMP antagonism controls the SHH/FGF4 feedback loop in vertebrate limb buds</i> , <u>Nature</u> , 401(6753):598-602 (October 1999) ABSTRACT ONLY.

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